



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 21, 2017

Ms. Arianna Shorey  
Douglas Products and Packaging Company LLC  
c/o Pyxis Regulatory Consulting Inc.  
4110 136<sup>th</sup> St. Ct. NW  
Gig Harbor, WA 98332

Subject: Label Notification per PRN 2007-4 – Adding triple rinse instructions  
Product Name: Max Kill Vapo-Cide  
EPA Registration Number: 1015-68  
Application Date: December 4, 2017  
Decision Number: 536322

Dear Ms. Shorey:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 2007-4 and finds that the action requested falls within the scope of PRN-2007-4.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label (and can be added by non-notification via PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact Carlyn Petrella at 703-347-0439 or by email at [petrella.carlyn@epa.gov](mailto:petrella.carlyn@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Gebken".

Richard Gebken  
Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Registration Division (7505P)  
Office of Pesticide Programs

# NOTIFICATION

1015-68

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

12/21/2017

## Max Kill Vapo-Cide

### Restricted Use Pesticide

Due to eye and skin irritation.

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified applicator's certification.

For use in warehouses, railroad cars, stationary trucks, flour mills, grain mills, rice mills, grain handling facilities and other food processing plants.

Active Ingredient:

Dichlorvos (2,2-dichlorovinyl dimethyl phosphate

5.0%

Other Ingredients \*\*

95.00%

Total

100.00%

\*\*Contains petroleum distillates

### KEEP OUT OF REACH OF CHILDREN DANGER – POISON [in red]

FIRST AID	
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor for treatment advice.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give any liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

#### NOTE TO PHYSICIAN

Contains dichlorvos, an organophosphate that inhibits cholinesterase. Probable mucosal damage may contraindicate the use of gastric lavage. May pose an aspiration pneumonia hazard. Causes severe eye and skin damage.

**Symptoms:** Weakness, headache, tightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps.

**Treatment:** Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, atropine sulfate should be injected at 10 minute intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Pralidoxime chloride (2-PAM) is also antidotal and may be administered in conjunction with atropine. In adults, an initial dose of 1 gram of 2-PAM should be injected, preferably as an infusion in 250 cc of saline over a 15 to 30 minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5 percent solution in water over not less than two minutes. After about an hour, a second dose of 1 gram of 2-PAM will be indicated if muscle weakness has not been relieved. For infants and children, the dose of 2-PAM is 0.25 grams. Morphine is an improper treatment. Clear chest by postural drainage. Oxygen administration may be necessary. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may without warning cause patient susceptibility to very small doses on any cholinesterase inhibitor. Allow no further exposure until cholinesterase regeneration has been attained as determined by blood test. Contains petroleum distillates. .

EPA Reg. No. 1015-68  
EPA Est. No. 1015-MO-1

**Manufactured by:**

Douglas Products & Packaging  
1550 East Old 210 Highway  
Liberty, MO 64068  
(816) 781-4250

Net Contents: (2.5, 5, 55 Gal.)

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage. Causes skin burns. May be fatal if absorbed through skin. Harmful if swallowed. Do not get on skin, in eyes, or on clothing.

Do not contaminate food or feed products by direct contact with liquid.

**Personal Protective Equipment” (PPE) Statements**

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category “F” OR “G” on an EPA chemical resistance category selection chart in the Worker Protection Standard.

Mixer, loaders, applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants.
- Chemical-resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton.
- Chemical-resistant footwear plus socks.
- Goggles or face shield.
- Chemical-resistant headgear for overhead exposure.

- When mixing and loading wear a chemical-resistant apron. When cleaning equipment wear a chemical resistant apron.
- Respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TX-23C) or a canister approved for pesticides (MSHA/NIOSH approval TC-14G) 14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **USER SAFETY RECOMMENDATIONS**

##### **Users Should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

**Outdoor Use:** This product is toxic to birds, fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

**Indoor Use:** Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans or public waters in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

#### **PHYSICAL OR CHEMICAL HAZARDS**

Combustible. Do not use or store near heat or open flame.

#### **DIRECTIONS FOR USE**

##### **Restricted Use Pesticide**

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected workers wearing specified PPE may be in the area during application.

## Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in dry, well ventilated, locked area away from heat or open flame. Post as pesticide storage area. Keep containers closed when not in use. Store only in the original labeled containers.

**Drum Handling:** Handle carefully to prevent damage and leakage. Open drums only when set on end and under a ventilated hood. Unscrew bungs slowly to release internal pressure.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency or the hazardous waste representative at the nearest EPA regional office for guidance.

### Container Disposal:

**Nonrefillable Metal Containers (five gallons or less):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer container for recycling if available, or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations. DO NOT cut or weld metal containers.

**Nonrefillable Metal Containers (greater than five gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer container for recycling if available, or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations. DO NOT cut or weld metal containers.

**Nonrefillable plastic containers.** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by other procedures approved by state

and local authorities. If burned, stay out of smoke. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

### PRECAUTIONS AND RESTRICTIONS

Use in hand-held foggers or hand-held smoke generator equipment is prohibited.

For use in warehouses, silos, bulk bins, food processing and food manufacturing, handling and storage plants containing non-perishable, packaged or bagged raw or processed food commodities or bulk raw or processed food commodities.

The term “non-perishable” means any raw or processed food or feed not subject to rapid decay or deterioration that would render it unfit for consumption.

Raw commodities include but are not limited to animal feeds, cocoa beans, dried beans, grain crops, peanuts, soybeans, and nut crops.

Raw commodities do not include eggs, milk, meat, poultry, fish and fresh fruits and vegetables.

Processed foods and feeds include feed and feed ingredients, milled fractions of listed raw commodities, flour, sugar, cereals, packaged goods and crackers. Processed foods do not include hermetically sealed foods or manufactured dairy products and other processed foods requiring freezing or refrigeration.

When using in food processing, food manufacturing, handling and storage areas:

- (1) Apply only during times when plant is not in operation and no processed foods or feed products are exposed. If bulk, unpackaged, processed foods or feed are exposed, remove or cover before treatment begins.
- (2) All food processing surfaces should be covered during treatment or thoroughly cleaned before using.

The space above uncovered, non-perishable raw agricultural commodities may be treated. Use only the volume above the commodity when calculating the space to be treated.

**Note:** Use Is Allowed Only In Non-Food Areas Of The Following Plants.

1. Bottling plants, frozen food plants, meat, poultry and seafood slaughtering and/or packaging plants and dairy product plants.
2. Non-food/feed area of food/feed areas such as garbage rooms, lavatories, floor drains (to sewers entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

All fogging or space spray treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment.

**NOTIFICATION:** Before the start of the application, post fumigation warning signs at all entrances to the building. The sign must bear the skull and crossbones symbol and state "DANGER/PELIGRO. Building under fumigation. DO NOT ENTER/NO ENTRE. [Date and time of fumigation]. Max Kill Vapo-cide Fumigant in use. [Name, address, and telephone number of the applicator]." The signs must be located prominently at each entrance, using a sign size and letter size that makes the sign clearly legible. All signs must be removed after the ventilation is complete and before routine entry by unprotected persons is permitted.

Entry by a person—other than a correctly trained and equipped handler who is performing a task related to ventilation or air concentration monitoring and who is wearing the personal protective equipment required for handlers—is PROHIBITED in the entire enclosed structure/building from the start of application until ventilation is complete. Ventilation is complete either when 24 hours have elapsed following application and the building has been opened and aired or when a direct-indication short-term concentration monitoring device (e.g. Draeger Tube) indicates that the DDVP air concentration is equal to, or less than, 0.050 ppm (50% of the OSHA PEL).

In California, the building cannot be reentered without personal protection for 24 hours, unless the DDVP air concentration is 0.01 ppm or less. In addition to the above sign specifications, in California, the following language must be on signs: "THIS BUILDING SHOULD BE OPENED AND AIRED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN 0.01 PPM. AN AIR CONCENTRATION OF 0.01 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO AM OR PM ON (Date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE AT OR BELOW 0.01 PPM."

## **USE RATES AND APPLICATION DIRECTIONS**

### **FOGGING (FOOD AND NON-FOOD AREAS)**

Vapo-Cide may be used in listed sites for the control of the exposed stages of most species of stored-product insects i.e., rice weevils, granary weevils, confused flour beetles, saw-tooth grain beetle, cigarette beetles, Indian meal moths and coca bean moths.

Apply as fog using most types of fogging devices excluding hand-held devices, or as a ULV spray at a rate of 1-2 grams of dichlorvos (½ to 1 fl. oz.) per 1,000 cu. ft.

Keep a minimum of a 7 day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of head space.

Do not make applications when temperatures are below 60 degrees F.

**SPACE SPRAY AND CONTACT SPRAY (NON FOOD/FEED PROCESSING AREAS ONLY)**

Space and Contact Spray: Dilute to 1-3% with an approved solvent and apply at the rate of 1 gal. of spray per 64,000 cu. ft. to kill roaches, silverfish, fleas, waterbugs, earwigs, ants and spiders in sheltered situations. Adjust a ULV or fogger spraying device to a coarse spray. Contact as many of the insects with the spray as possible. Thoroughly spray all parts of the room suspected of harboring these insects. Then adjust the spraying device to deliver a fine spray for use as a space spray. Repeat treatment as necessary.

Contact Spray Only: Dilute 1% and spray 1 pint per 1,000 sq. ft. of floor space.

Do not use in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed, in serving areas while food/feed is exposed or facility is in operation.

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties, and Limitations of Liability.

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as presence of other materials, or the manner of use or application, all of which are beyond the control of Douglas Products and Packaging. All such risks shall be assumed by the user or buyer.

To the extent consistent with applicable law, Douglas Products and Packaging makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Douglas Products and Packaging is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Douglas Products and Packaging disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Douglas Products and Packaging's election, the replacement of product.